



# SAFETY DATA SHEET

Date of Issue:

April 15, 2015

## Section 1. Identification

**Product Name:** BCIP/NBT Alkaline Phosphatase Substrate Kit

**Catalog No.:** SK-5400 - Reagent 2

*Any additional components in this kit are considered non-hazardous and, therefore, non-classifiable in accordance with the GHS Safety Data Sheet guidelines.*

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## Section 2. Hazards Identification

### GHS Classification:

Flammable Liquids - Category 2, H225  
Acute Toxicity, Oral - Category 3, H301  
Acute Toxicity, Inhalation - Category 3 H331  
Acute Toxicity, Dermal - Category 3, H311  
Specific target organ toxicity (SE) - Category 1, H370

**GHS Label:**



**Signal Word:** Danger

### Hazard Statements:

H225 Highly flammable liquid and vapor.  
H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled.  
H370 Causes damage to organs.

### Precautionary Statements:

Keep away from heat/sparks/open flames/hot surfaces. - NO SMOKING. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wash skin thoroughly after handling. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.

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### Section 3. Composition/Information on Ingredients

Reagent 2 is dissolved in the component(s) listed below.

Component:	CAS#:	EC#:	% by weight:
Methanol	67-56-1	200-659-6	>90%

### Section 4. First Aid Measures

**Inhalation:** Remove to fresh air. Obtain medical attention.

**Skin contact:** Wash thoroughly with water for at least 15 minutes. Obtain medical attention.

**Eye contact:** Wash thoroughly with water for at least 15 minutes. Obtain medical attention.

**Ingestion:** Do not induce vomiting. If person is conscious, wash out mouth with water. Obtain medical attention.

### Section 5. Fire Fighting Measures

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment:** Use respirator. Toxic gases can be evolved.

### Section 6. Accidental Release Measures

Wear protective clothing to prevent contact with eyes and skin. Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Collect on absorbent material and dispose of in accordance with federal, state and local environmental control regulations.

### Section 7. Handling and Storage

**Handling:** Use only with adequate ventilation. Wear approved organic vapor respirator. Wear eye protection and compatible chemical-resistant gloves.

**Storage:** Keep container tightly closed and store in a refrigerator.

### Section 8. Exposure Controls/Personal Protection

**Exposure limits:** TWA 200 ppm

**Engineering controls:**

Use enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits.

**Personal protection:**

**Hand protection -** Compatible chemical-resistant gloves.

**Eye protection -** Chemical safety goggles.

**Skin protection -** Lab coat.

**Respiratory protection -** Use respirators tested and approved under appropriate government standards.

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## Section 9. Physical and Chemical Properties

<b>Appearance:</b>	Liquid	<b>Flash point:</b>	11 °C
<b>Odor:</b>	None	<b>Autoflammability:</b>	Not determined
<b>pH:</b>	Not determined	<b>Vapor pressure:</b>	Not determined
<b>Boiling point:</b>	65 °C	<b>Relative density:</b>	Not determined
<b>Melting point:</b>	-98 °C	<b>Solubility:</b>	Miscible

## Section 10. Stability and Reactivity

<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Heat, sparks, open flame.
<b>Materials to avoid:</b>	Strong oxidizers.
<b>Hazardous reactions/decomposition products:</b>	Carbon monoxide, carbon dioxide.

## Section 11. Toxicological Information

### Information on toxicological effects

**Acute Toxicity:** No data available.

**Reproductive Toxicity:** Damage to fetus not classifiable. Fertility classification not possible from current data.

**STOT - SE:** Causes damage to organs.

### Acute effects:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Effects due overexposure may also include headache, dizziness, drowsiness, visual impairment or complete blindness.

### Chronic effects:

Not determined.

**RTECS#:** PC1400000

**Toxicity data:** orl-hmn LDLo: 340 mg/kg  
orl-mus LD50: 870 mg/kg  
skn-rbt LD50: 20 mg/kg

Only selected RTECS data is shown.

## Section 12. Ecological Information

Avoid release to the environment.

## Section 13. Disposal Considerations

Observe all federal, state and local environmental disposal regulations.

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## Section 14. Transport Information

**DOT (US):** Excepted Quantity  
UN number: 1230      Class:3      Packing group: II  
Proper shipping name: Methanol  
Reportable Quantity (RQ): 5000 lbs

**RID/ADR:** Excepted Quantity  
UN number: 1230      Class:3 (6.1)      Packing group: II  
Proper shipping name: Methanol

**IMDG:** Excepted Quantity  
UN number: 1230      Class:3 (6.1)      Packing group: II  
Proper shipping name: Methanol

**IATA:**  
Excepted Quantity  
UN number: 1230      Class:3 (6.1)      Packing group: II  
Proper shipping name: Methanol

## Section 15. Regulatory Information

### SARA:

SARA 302 - No chemicals in this material are subject to the reporting requirements.

SARA 313 - The following components are subject to reporting levels: Methanol, CAS-No. 65-56-1

SARA 311/312 Hazards - Fire Hazard, Acute Health Hazard, Chronic Health Hazard

### Risk Phrases:

R11 - Highly flammable

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25 - Toxic: Danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

### Safety Phrases:

S7 - Keep container tightly closed.

S16 - Keep away from sources of ignition - No smoking.

S36/37 - Wear Suitable protective clothing and gloves.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

California Prop. 65 components:

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm: Methanol.

## Section 16. Other Information

The information contained in this Material Safety Data is believed to be accurate but it is the responsibility of the user to determine the applicability of these data to the formulation of necessary safety precautions. Vector Laboratories, Inc. shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Material safety Data Sheet.